



EPA Region 5 Records Ctr.



202819

Solutia Inc

575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760

St. Louis, Missouri 63166 6760

Tel: 314 674 1000

August 8, 2003

Mr. Nabil S. Fayoumi
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Area 2 Site – October 3, 2002 Unilateral Administrative Order (UAO)
Groundwater Operable Unit
9 - Monthly Report July 1 – July 31, 2003 Reporting Period**

Dear Mr. Fayoumi,

Attached is the Monthly Report for the Sauget Area 2 Site October 3, 2002 Unilateral Administrative Order (UAO) - Groundwater Operable Unit. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section XII, paragraph 62, Progress Reports. This report is for the July 1 – July 31 reporting period.

Sincerely,
Solutia Inc


Gary Vandiver
Project Coordinator
Solutia Inc

cc: Bardo, Ken - U. S. EPA
Sandra Bron - IEPA
Richard Williams - Solutia
Cathleen Bumb - Solutia
Mayor Frank Bergman - Cahokia
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor P. Sauget - Sauget, IL
Mike Coffey - U. S. Fish & Wildlife Service
Linda Tape - Husch & Eppenberger

Sauget Area 2 Site - Sauget, Illinois

October 3, 2002 UAO – Groundwater Operable Unit

Monthly Report

Date of Report: August 11, 2003
Period Covered: July 1, 2003 - July 31, 2003

Agency Actions / Communications

In an e-mail message dated June 19, 2003, U S EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003.

Work Performed During the Reporting Period

Slurry Wall

The *Request for Proposal* for the construction of soil-bentonite barrier wall was sent to three specialist slurry wall contractors (Inquip, Soletanche, and TREVIICOS) on June 27, 2003. Bids were received on or before July 21, 2003. The bid evaluation process was completed on July 24 and contract negotiations with Inquip were started. Inquip has committed to mobilization in August and start of trench excavation by September 2, 2003.

In an e-mail message dated June 19, 2003, U S EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to support the ESD to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003.

Groundwater Pilot Test

The report of for the groundwater pilot test is being prepared by the Advent Group.

Groundwater Treatment

The 2003 Wastewater Discharge Permit for UAO Remediation wastewater was issued on July 9, 2003, by American Bottoms Regional Wastewater Treatment Facility (ABRWTF) ABRWTF is currently limiting discharge of remediation wastewater to 100,000 gallons/day A meeting will be scheduled in August with ABRWTF, Solutia and the Agencies to discuss acceleration of the 6 month acclimation period proposed by ABRWTF

Construction was completed and the groundwater pumping system was started up on July 15, 2003 The following effluent pumping data is for the period July 15 through July 31 for Extraction Wells 1, 2 and 3

EW1 542,492 gallons

EW2 535,879 gallons

EW3 563,385 gallons

Combined volume pumped from the three extraction wells is 1,641,756 gallons

The following documents were submitted to the Agencies on July, 31, 2003

- Groundwater Treatment Contingency Plan
- Groundwater Treatment Contingency Plan Cost estimate
- Hydraulic Control Timetable Tech Memo
- Barrier Wall Bedrock Flow Tech memo
- Disturbed Area Storm Water Treatment System

Monitoring well and piezometer installation work began on June 9, 2003 and was completed in July

Work scheduled for next reporting period

Mobilization of slurry wall contractor

Meet with ABRWTF to discuss acceleration of acclimation period

Continue pumping and treating groundwater Increase pumping rates when approved by ABRWTF

Install stormwater treatment system